

WHAT IS CLAIMED IS:

1. A soil collection receptacle attaching/detaching apparatus for a cyclone vacuum cleaner, which allows only a soil collection receptacle to be attached to or
5 detached from a cyclone unit that includes a cyclone body as well as the soil collection receptacle, in which the cyclone unit is installed in an accommodation recess provided in a cleaner body, the soil collection receptacle attaching/detaching apparatus comprising:

a guide member located at the lower end of the soil collection receptacle,
10 wherein the guide member has guide projections respectively formed at the opposite sides; and

an operation lever adapted to move the guide member up and down and provided with a manipulation part and guide holes that cooperate with the guide projections, wherein the guide member moves up and down as the manipulation part is
15 pulled and pushed, whereby the soil collection receptacle is attached to or detached from the cyclone unit.

2. The apparatus according to claim 1, wherein the soil collection receptacle has a sliding groove formed on the bottom surface that confronts the floor of the
20 accommodation recess.

3. The apparatus according to claim 2, wherein the sliding groove is formed on the bottom surface to face the rear part of the inside of the accommodation recess.

4. The apparatus according to claim 2, wherein the sliding groove is formed on the bottom surface of the soil collection receptacle to have predetermined depth and width.

5 5. The apparatus according to claim 1, wherein the floor of the accommodation recess in the cleaner body is provided with a guide supporting part for supporting and guiding the guide member.

6. The apparatus according to claim 1, wherein the soil collection receptacle is
10 provided with a handle.

7. A cyclone vacuum cleaner comprising: ~

a cleaner body provided with a suction brush at the bottom side thereof, wherein a vacuum-generating device is housed in the cleaner body;

15 a cyclone body installed in an accommodation recess provided in the cleaner body, wherein the cyclone body separates soils from air inhaled through an inflow passage communicating with the suction brush and discharges purified air through a discharge passage communicating with the vacuum generating device;

a soil collection receptacle for collecting soils separated by the cyclone body,
20 wherein the soil collection receptacle is removably engaged with the bottom side of the cyclone body; and

a soil collection receptacle attaching/detaching apparatus that allows only the soil collection receptacle to be independently attached to or detached from the accommodation recess regardless of the cyclone body, wherein the soil collection

receptacle attaching/detaching apparatus comprises:

a guide member located at the lower end of the soil collection receptacle and formed with a pair of guide projections at the opposite sides; and

an operation lever adapted to move the guide member up and down and
5 provided with a manipulation part and a pair of guide holes that cooperate with the guide projections, wherein the guide member moves up and down as the manipulation part is pulled and pushed, whereby the soil collection receptacle is attached to or detached from the cyclone unit.

10 8. The cyclone vacuum cleaner according to claim 7, wherein the soil collection receptacle has a sliding groove formed on the bottom surface that confronts the floor of the accommodation recess.

9. The cyclone vacuum cleaner according to claim 8, wherein the sliding groove
15 is formed on the bottom surface to face the rear part of the inside of the accommodation recess.

10. The cyclone vacuum cleaner according to claim 8, wherein the sliding groove is formed on the bottom surface of the soil collection receptacle to have
20 predetermined depth and width.

11. The cyclone vacuum cleaner according to claim 7, wherein the floor of the accommodation recess in the cleaner body is provided with a guide supporting part for supporting and guiding the guide member.

12. The cyclone vacuum cleaner according to claim 7, wherein the soil collection receptacle is provided with a handle.

5 13. The cyclone vacuum cleaner according to claim 7, wherein the cyclone body has a locking handle at the rear side thereof, wherein the locking handle is inserted and fixed in a handle receiving part formed in the inner surface of the accommodation recess in the cleaner body, whereby the cyclone body is installed in the accommodation recess.

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